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(54) **INTRAOCULAR LENS IMPLANT HAVING EYE ACCOMMODATING CAPABILITIES**

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(57) **ABSTRACT**

An intraocular lens **(38)** having focusing capabilities permitting focusing movement of the lens **(38)** in response to normal ciliary muscle movement incident to changes in the distance between the eye and an object under observation is provided. The lens **(38)** is designed for surgical implantation within the capsule **(22)** of an eye **(10)** and includes an optic **(40)** and a resilient body **(46)** which cooperate to form a discoid shaped lens **(38)** that generally conforms to the shape of the natural capsule **(22)**. When distant objects are viewed, the ciliary body **(32)** is retracted and the capsule **(22)** flattens, thus causing the lens **(38)** to likewise flatten, moving the optic **(40)** posteriorly, closer to the fovea **(26)**. When viewing near objects, the ciliary body **(32)** contracts, causing the capsule **(22)** and thus the lens **(38)** to expand to their original shape, shifting the optic **(40)** anteriorly, away from the fovea **(26)**. The inventive lens **(38)** is preferably a unitarily formed, seamless body preferably comprising a flexible material which has elastic memory. Suitable materials comprise acrylates and silicone blends.

18 Claims, 1 Drawing Sheet